

Performance Specifications

GENERAL

	VHF		UHF			
Model Series:	P93YPC		P94YPC			
Frequency:	136-162	146-174	403-433	438-470	465 - 495	490 - 520
Channel Capacity:	2, 8, 8+2, or 16 Channels					
Power Supply:	One (1) rechargeable Nickel-Cadmium battery (7.5V)					
Dimensions†:	5.5" X 2.34" X 1.65" (140 X 59 X 42mm)†					
Weight †:	17.8 oz. (509 g)†					
Average Battery Life (5-5-90 Duty Cycle):	Low Power	High Power	Low Power		High Power	
High Capacity:	10.5 Hours	8 Hours	10.5 Hours		8 Hours	
Low Capacity:	5.2 Hours	4 hours	5.2 Hours		4 hours	
Environmental:	Meets MIL-STD-810-C, D, and E & EIA RS-316B environmental specifications for vibration, shock, rain, dust, and humidity					

†Standard High Capacity Battery Model

TRANSMITTER

	VHF		UHF	
RF Output @ 7.5V:	High 5W	Low 1W	High 4W†	Low 1W
Freq. Separation:	26, 28 MHz		30, 32 MHz	
Freq. Stability (-30°C to +60°):	±0.0005%			
Modulation:	±5 kHz max. (25/30 kHz channel spacing) ±2.5 kHz max. (12.5 kHz channel spacing)			
Spurs/Harmonics:	0.25 µW < 2GHz			
Audio Response: (from 6 dB/oct. Pre-Emphasis, 300 to 3000Hz	+1, -3 dB			
Audio Distortion: @ 1000 Hz, 60% Rated Max. Dev.	<3%			
FCC Designation:	ABZ99FT301 ABZ99FT3011		ABZ99FT4010 ABZ99FT4011 ABZ99FT4012	
FM Noise:	-40 dB±			

†Max. RF output is 3W for frequencies greater than 512 MHz

‡Typical level

RECEIVER

	VHF		UHF	
Channel Spacing:	25 kHz	12.5 kHz	25 kHz	12.5 kHz
Freq Separation:	26, 28 MHz		30, 32 MHz	
Sensitivity - 20 dB Quieting†: 12 dB EIA SINAD†: 20 dB SINAD†:	0.32 μV 0.22 μV 0.30 μV	0.38 μV N/A 0.35 μV	0.32 μV 0.22 μV‡ 0.30 μV	0.38 μV N/A 0.35 μV
Squelch Sensitivity:	10 dB SINAD			
Selectivity:	70dB	60dB	70dB	60dB
Intermodulation	70dB	60 dB	70 dB	60 dB
Freq. Stability (-30°C to +60°C): (-10°C to +50°C):	0.0005% 0.0003%			
Spur Rejection EIA: CEPT:	75 dB 70 dB			
Image Rejection EIA: CEPT:	75 dB 70 dB		70 dB 70 dB	
Audio Output at<10% Distortion (1 kHz)	500mW			

†Typical specification is 0.28mV on frequencies greater than 512 MHz

*All specifications subject to change without notice.